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but a manifest and permanent differentiation is claimed to occur. By an ingenious experiment, glycogen was detected in lymph-cells. Their glycogenic properties are lost when lymph or white blood-corpuscles become transformed into non-contractile pus-corpuscles, which latter, by excess of oxygen, may undergo fatty degeneration, or, by long immersion in water, other changes due to the presence of oxygen. There also seems to be a close chemical relationship between pus-corpuscles and yeast-cells.

EXOGENS AND ENDOGENS.—At a recent meeting of the Royal Microscopical Society, Prof. T. Dyer expressed himself satisfied of an exogenous growth in *Lepidodendron*, notwithstanding its evidently cryptogamic character. He considered De Candolle's terms exogens and endogens to be already generally abandoned in favor of John Ray's previous names Dicotyledons and Monocotyledons. Recent researches, especially those of Mohl, had proved that Monocotyledons were really not endogenous, but acrogenous; and some cryptogams, as lichens and algæ, as well as Monocotyledons, are regularly exogenous. The speaker regretted that the study of palæontology was so much separated from that of recent organisms. He would like to see fossil and recent specimens not only studied by the same systematists, but arranged side by side in the museums.

A CONSPECTUS OF THE DIATOMACEÆ.—This mature and very valuable work by Prof. H. L. Smith, has begun to appear in "The Lens." Diatomists will look with interest for the succeeding numbers.

PHOTO-MICROGRAPHS POPULARIZED.—It is to be hoped that microscopists, and others interested in scientific progress, will notice and appreciate the effort now being made, by Mr. C. Meinert of Newburyport, Mass., to supply "in a cheap and convenient form" really good photographic representations of microscopic objects. Judging from the work already done, Mr. Meinert's enterprise will prove both entertaining and instructive to the cultivated public.

NOTES.

SAN FRANCISCO Meeting of the American Association for the Advancement of Science. In our last number we announced that the committee having the matter in charge had decided that the

next meeting of the Association would be held in San Francisco. The only additional information we have received, up to the time of going to press, is in relation to the price of tickets from Omaha, as follows; MEMBERS of the Association will be furnished with a ticket from Omaha to San Francisco and return to Omaha for \$63.50 for the round trip, and there is every probability that arrangements will be perfected by which members will be passed at half fare from various points East to Omaha. The committee will undoubtedly issue their circular to members very soon, and we trust that there will be a large attendance, as the meeting will be a most important one in many ways, while the great concessions on the part of the Railroads should induce eastern members to take advantage of the opportunity to visit the, in many points, most interesting state in our country.

THE latest news we have of the Hasler and her corps of scientists, is from Montevideo, Feb. 24th, at which date, Mr. J. H. Blake wrote to us, giving a general account of the expedition to that time, but as his remarks are about the same as those already published in the newspapers we omit the details. Quite extensive collections have been made and several lots already forwarded to Cambridge from the various stopping places which, up to date of the letter, were St. Thomas (Jan. 15), Santa Cruz, Barbadoes, Pernambuco, Rio de Janeiro, and Montevideo (Feb. 24). The most successful dredgings were made off the western side of Barbadoes, in ninety fathoms.

OBITUARY. PROF. THOS. RUSSELL CROSBY, M. D. *Extract from the Minutes of the Dartmouth Scientific Association.*

Whereas, it has pleased our Heavenly Father, in his wise Providence, to remove unexpectedly from among us, by the hand of death, the first President of this organization, our beloved associate, Prof. Thos. Russell Crosby, M. D.

Resolved, that in the death of Prof. Crosby, this Association has lost one who, by the extent of his learning and the excellence of his character, has been a most valuable and highly esteemed member; that to the Association as a body, and to the individuals as members, the loss is that of a friend and brother, and is most deeply felt; and that we tender the family and friends of the deceased our most heartfelt sympathy in their affliction.

Resolved, that a copy of these resolutions be furnished the family and friends, and, moreover, be sent for publication to the NATURALIST, and several other journals.